

# WHAT DARK ENERGY?

By Karel Havel

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I propose to show by simple logic that the theories of Big Bang and Dark Energy are incompatible and cannot exist simultaneously. You cannot have both Big Bang and Dark Energy.

The Big Bang theory teaches that about 15 billion years ago all matter in the Universe was compressed into extremely hot and dense entity called the Cosmic Egg. Then it suddenly blew up in a monstrous explosion, which is called the Big Bang. While moving away at enormous speed, the uncorked disheveled particles rapidly assembled into atoms, which eventually organized into galaxies, which today still move apart, although being slowed down by the combined gravitation of other galaxies.

The Big Bang was preceded by the Big Crunch event, during which all matter in the Universe was compressed by gravity into the Cosmic Egg.

We now live in what I shall refer to as the *present* Universe. The Big Bang theory teaches that before the last Big Bang and the preceding Big Crunch there existed a *previous* Universe, which was brought into existence by the previous Big Bang, preceded by the previous Big Crunch. Before that there existed a *pre-previous* Universe, and so forth. All the *previous* Universes were similar to the *present* one. They all operated under the same laws of nature. They were all composed of the same amount of the available matter/energy, which was merely recycled into different galaxies, but could not be created out of nothing or destroyed.

At the end of the last century the astronomers noticed that certain very bright Supernovae, designated as Type Ia, were receding much faster than the Big Bang theory predicted. From that the astronomers concluded that the expansion of our Universe was not slowing down, but was actually increasing. To explain this they proposed Dark Energy, a mysterious substance causing the gravitational repulsion of all matter/energy.

Here comes my simple logical argument. Assume, for the sake of argument, that Dark Energy exists in the *present* Universe and causes it to expand at an ever accelerating rate. If Dark Energy also existed in the *previous* Universe (operating under the same laws of nature), it would have caused it to expand at an ever accelerating rate, thereby preventing the Big Crunch from ever happening. And without the preceding Big Crunch there could have been no Cosmic Egg, no Big Bang, and our *present* Universe could never have been born. Dark Energy in the *previous* Universe would have prevented the last Big Bang from happening. We would not exist.

And a bonus argument. If Dark Energy accelerates the galaxies away from one another, how is it possible that numerous galaxies were observed to collide with one another?

The simplest explanation under Occam's Razor is that the Big Bang theory was invalidated by the above mentioned astronomical observations of the Supernovae.

Karel Havel is a retired professional engineer who was awarded over 100 patents worldwide. He is the author of book *Gravitation: master key to the universe* (ISBN 0-9689120-0-1), in which is disclosed a radical new theory of gravitation that proposes a "third" model of the Universe.

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